

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES  
PLEASE LOGON:  
\*\*\*\*\* HHHHHHHH SSSSSSSS?  
### Status: Signing onto Dialog  
\*\*\*\*\*  
ENTER PASSWORD:  
\*\*\*\*\* HHHHHHHHH SSSSSSSS? \*\*\*\*\*  
Welcome to DIALOG  
### Status: Connected

Dialog level 04.05.14D

Last logoff: 13apr04 12:34:23  
Logon file001 21apr04 13:33:49  
\*\*\* ANNOUNCEMENT \*\*\*  
\*\*\*  
--File 654 - US published applications from March 15, 2001 to the present are now online. Please see HELP NEWS 654 for details.

\*\*\*  
--File 581 - The 2003 annual reload of Population Demographics is complete. Please see Help News581 for details.

\*\*\*  
--File 990 - NewsRoom now contains February 2003 to current records. File 992 - NewsRoom 2003 archive has been newly created and contains records from January 2003. The oldest month's records roll out of File 990 and into File 992 on the first weekend of each month. To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new OneSearch category.  
\*\*\*  
--Connect Time joins DialUnits as pricing options on Dialog. See HELP CONNECT for information.  
\*\*\*  
\*\*\*  
--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.  
\*\*\*  
--Important Notice to Freelance Authors--  
See HELP FREELANCE for more information  
\*\*\*

NEW FILES RELEASED  
\*\*\*AeroBase (File 104)  
\*\*\*DIOGENES: Adverse Drug Events Database (File 181)  
\*\*\*World News Connection (File 985)  
\*\*\*Dialog NewsRoom - 2003 Archive (File 992)  
\*\*\*TRADEMARKSCAN-Czech Republic (File 680)  
\*\*\*TRADEMARKSCAN-Hungary (File 681)  
\*\*\*TRADEMARKSCAN-Poland (File 682)  
\*\*\*

UPDATING RESUMED  
\*\*\*

RELOADED  
\*\*\*Medline (Files 154-155)  
\*\*\*Population Demographics -(File 581)  
\*\*\*CLAIMS Citation (Files 220-222)

REMOVED  
\*\*\*

```
>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>>      of new databases, price changes, etc.      <<<
      ****
```

KWIC is set to 50.

HIGHLIGHT set on as '\*'  
\*

\* ALL NEW CURRENT YEAR RANGES HAVE BEEN \* \* \*
\* \* \* INSTALLED \* \* \*

\*

File 1:ERIC 1966-2004/Mar 31  
(c) format only 2004 The Dialog Corporation

Set Items Description

---

Cost is in DialUnits

?b 155, 159, 5, 73

21apr04 13:33:59 User259876 Session D611.1

\$0.32 0.092 DialUnits File1

\$0.32 Estimated cost File1

\$0.03 TELNET

\$0.35 Estimated cost this search

\$0.35 Estimated total session cost 0.092 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155: MEDLINE(R) 1966-2004/Apr W3

(c) format only 2004 The Dialog Corp.

**\*File 155: Medline has been reloaded. Accession numbers**

have changed. Please see HELP NEWS 154 for details.

File 159:Cancerlit 1975-2002/Oct

(c) format only 2002 Dialog Corporation

**\*File 159: Cancerlit ceases updating with immediate effect.**

Please see HELP NEWS.

File 5:Biosis Previews(R) 1969-2004/Apr W2

(c) 2004 BIOSIS

File 73:EMBASE 1974-2004/Apr W2

(c) 2004 Elsevier Science B.V.

Set Items Description

---

?s (endotoxin or LPS) (s) (free or reduced or absent or low)

75252 ENDOTOXIN

97148 LPS

1301275 FREE

1753012 REDUCED

217559 ABSENT

2551021 LOW

S1 39884 (ENDOTOXIN OR LPS) (S) (FREE OR REDUCED OR ABSENT OR LOW)

?s s1 (s) (plasmid or vector or (nucleic (w) acid) or DNA or RNA or oligonucleotide)  
Processing

39884 S1

195677 PLASMID

281579 VECTOR

278676 NUCLEIC

3746304 ACID

246255 NUCLEIC(W)ACID

2549404 DNA

1501109 RNA

112613 OLIGONUCLEOTIDE

S2 2970 S1 (S) (PLASMID OR VECTOR OR (NUCLEIC (W) ACID) OR DNA OR  
RNA OR OLIGONUCLEOTIDE)

?s s2 and (silica or (silicon (w) dioxide) or SiO2)

2970 S2

57325 SILICA

43452 SILICON  
227797 DIOXIDE  
20140 SILICON(W)DIOXIDE  
1923 SIO2  
S3 5 S2 AND (SILICA OR (SILICON (W) DIOXIDE) OR SIO2)  
?rd  
...completed examining records  
S4 2 RD (unique items)  
?t s4/3,k/all

**4/3,K/1 (Item 1 from file: 155)**  
DIALOG(R)File 155: MEDLINE(R)  
(c) format only 2004 The Dialog Corp. All rts. reserv.  
  
08533886 PMID: 2111375  
**Secretion of interleukin-1 beta by a leukemia cell line in response to lipopolysaccharide and mezerein.**  
Gaffney E V; Stoner C R; Lingenfelter S E; Koch G A  
Department of Research, Baptist Medical Centers, Birmingham, Alabama 35213.  
Journal of biological response modifiers (UNITED STATES) Apr 1990, 9  
(2) p205-11, ISSN 0732-6580 Journal Code: 8219656  
Contract/Grant No.: CA44677; CA; NCI; CA45143; CA; NCI  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

... 1 cells differ from normal monocytes in their secretion of interleukin-1 beta (IL-1 beta) following exposure to reagents that induce synthesis. For example, \*LPS\* treatment alone did not result in IL-1 beta secretion and very \*low\* concentrations were observed when lipopolysaccharide (\*LPS\*)-treated cells were simultaneously incubated with \*silica\* or \*silica\* in combination with hydroxyurea. \*Silica\*-enhanced release of IL-1 was related to changes in cell membrane permeability. Recombinant interferon-gamma (rIFN gamma) alone did not induce IL-1 beta secretion and did not significantly increase secretion by \*LPS\*- and \*silica\* -stimulated cells. In contrast, mezerein stimulation led to higher extracellular concentrations of IL-1 beta and rIFN gamma augmented secretion by mezerein-treated cells. Isoelectrofocusing...

... in stimulating IL-1 beta secretion was not related to an enhancement of viability or an increase in the proportion of mezerein-treated cells synthesizing \*DNA\*. It was concluded that mezerein's regulation of secretion by THP-1 cells depended on the expression of monocyte features, including cell adherence and responsiveness...

**4/3,K/2 (Item 1 from file: 5)**  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013199732 BIOSIS NO.: 200100371571  
**Endotoxin reduction in nucleic acid purification**  
AUTHOR: Smith Craig E; Creswell Donald A (Reprint); Bitner Rex M; White Douglas H; Butler Braeden L; Lesley Scott A  
AUTHOR ADDRESS: Cottage Grove, WI, USA\*\*USA  
JOURNAL: Official Gazette of the United States Patent and Trademark Office Patents 1243 (4): Feb. 27, 2001 2001  
MEDIUM: e-file  
PATENT NUMBER: US 6194562 PATENT DATE GRANTED: February 27, 2001 20010227  
PATENT CLASSIFICATION: 536-245 PATENT ASSIGNEE: Promega Corporation  
PATENT COUNTRY: USA  
ISSN: 0098-1133  
DOCUMENT TYPE: Patent  
RECORD TYPE: Abstract  
LANGUAGE: English

...ABSTRACT: to, lysates of gram-negative bacteria and nucleic acid solutions contaminated with endotoxins from external sources. The present method removes endotoxins from such solutions using \*silica\*-based materials, such as \*silica\* gel particles, magnetic \*silica\* particles, or diatomaceous earth. In a preferred aspect of the method of this invention, magnetic \*silica\* particles are used to isolate \*plasmid\* \*DNA\* from a lysate of gram-negative bacteria transformed with the \*plasmid\* \*DNA\*. Application of the disclosed method produces nucleic acids which are sufficiently \*free\* of \*endotoxin\* contamination to be useful for a variety of different practical applications.

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ...\*silica\*-based materials

?ds

Set	Items	Description
S1	39884	(ENDOTOXIN OR LPS) (S) (FREE OR REDUCED OR ABSENT OR LOW)
S2	2970	S1 (S) (PLASMID OR VECTOR OR (NUCLEIC (W) ACID) OR DNA OR - RNA OR OLIGONUCLEOTIDE)
S3	5	S2 AND (SILICA OR (SILICON (W) DIOXIDE) OR SIO2)
S4	2	RD (unique items)
?s s1 (s)	(silica or (silicon (w) dioxide) or SiO2)	
	39884	S1
	57325	SILICA
	43452	SILICON
	227797	DIOXIDE
	20140	SILICON(W) DIOXIDE
	1923	SIO2
S5	139	S1 (S) (SILICA OR (SILICON (W) DIOXIDE) OR SIO2)
?s s5 and (potassium (w) acetate)		
	139	S5
	493032	POTASSIUM
	335796	ACETATE
	957	POTASSIUM(W) ACETATE
S6	0	S5 AND (POTASSIUM (W) ACETATE)
?s s5 and (isopropanol and SDS)		
	139	S5
	5894	ISOPROPANOL
	139081	SDS
S7	0	S5 AND (ISOPROPANOL AND SDS)

?

?s s5 and (SDS/LPS)

>>>Term "LPS" is not defined in one or more files

139 S5

139081 SDS/LPS

S8 0 S5 AND (SDS/LPS)

?s s5 (s) (plasmid or DNA)

139 S5

195677 PLASMID

2549404 DNA

S9 5 S5 (S) (PLASMID OR DNA)

?rd

...completed examining records

S10 2 RD (unique items)

?t s10/3,k/all

10/3,K/1 (Item 1 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

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08533886 PMID: 2111375

Secretion of interleukin-1 beta by a leukemia cell line in response to lipopolysaccharide and mezerein.

Gaffney E V; Stoner C R; Lingenfelter S E; Koch G A

Department of Research, Baptist Medical Centers, Birmingham, Alabama 35213.

Journal of biological response modifiers (UNITED STATES) Apr 1990, 9

(2) p205-11, ISSN 0732-6580 Journal Code: 8219656  
Contract/Grant No.: CA44677; CA; NCI; CA45143; CA; NCI  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

... 1 cells differ from normal monocytes in their secretion of interleukin-1 beta (IL-1 beta) following exposure to reagents that induce synthesis. For example, \*LPS\* treatment alone did not result in IL-1 beta secretion and very \*low\* concentrations were observed when lipopolysaccharide (\*LPS\*)-treated cells were simultaneously incubated with \*silica\* or \*silica\* in combination with hydroxyurea. \*Silica\*-enhanced release of IL-1 was related to changes in cell membrane permeability. Recombinant interferon-gamma (rIFN gamma) alone did not induce IL-1 beta secretion and did not significantly increase secretion by \*LPS\*- and \*silica\* -stimulated cells. In contrast, mezerein stimulation led to higher extracellular concentrations of IL-1 beta and rIFN gamma augmented secretion by mezerein-treated cells. Isoelectrofocusing...

... in stimulating IL-1 beta secretion was not related to an enhancement of viability or an increase in the proportion of mezerein-treated cells synthesizing \*DNA\*. It was concluded that mezerein's regulation of secretion by THP-1 cells depended on the expression of monocyte features, including cell adherence and responsiveness...

**10/3,K/2 (Item 1 from file: 5)**  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0013199732 BIOSIS NO.: 200100371571

**Endotoxin reduction in nucleic acid purification**

AUTHOR: Smith Craig E; Creswell Donald A (Reprint); Bitner Rex M; White Douglas H; Butler Braeden L; Lesley Scott A

AUTHOR ADDRESS: Cottage Grove, WI, USA\*\*USA

JOURNAL: Official Gazette of the United States Patent and Trademark Office Patents 1243 (4): Feb. 27, 2001 2001

MEDIUM: e-file

PATENT NUMBER: US 6194562 PATENT DATE GRANTED: February 27, 2001 20010227

PATENT CLASSIFICATION: 536-245 PATENT ASSIGNEE: Promega Corporation

PATENT COUNTRY: USA

ISSN: 0098-1133

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

**ABSTRACT:** The present invention presents a novel method for removing endotoxins from nucleic acids, such as \*DNA\*, RNA, or hybrids thereof, contaminated therewith. Nucleic acid solutions which can be treated using the method of this invention include, but are not limited to, lysates of gram-negative bacteria and nucleic acid solutions contaminated with endotoxins from external sources. The present method removes endotoxins from such solutions using \*silica\*-based materials, such as \*silica\* gel particles, magnetic \*silica\* particles, or diatomaceous earth. In a preferred aspect of the method of this invention, magnetic \*silica\* particles are used to isolate \*plasmid\* \*DNA\* from a lysate of gram-negative bacteria transformed with the \*plasmid\* \*DNA\*. Application of the disclosed method produces nucleic acids which are sufficiently \*free\* of \*endotoxin\* contamination to be useful for a variety of different practical applications.

?ds

Set	Items	Description
S1	39884	(ENDOTOXIN OR LPS) (S) (FREE OR REDUCED OR ABSENT OR LOW)
S2	2970	S1 (S) (PLASMID OR VECTOR OR (NUCLEIC (W) ACID) OR DNA OR - RNA OR OLIGONUCLEOTIDE)

S3 5 S2 AND (SILICA OR (SILICON (W) DIOXIDE) OR SIO2)  
S4 2 RD (unique items)  
S5 139 S1 (S) (SILICA OR (SILICON (W) DIOXIDE) OR SIO2)  
S6 0 S5 AND (POTASSIUM (W) ACETATE)  
S7 0 S5 AND (ISOPROPANOL AND SDS)  
S8 0 S5 AND (SDS/LPS)  
S9 5 S5 (S) (PLASMID OR DNA)  
S10 2 RD (unique items)  
?s s5 and (plasmid or DNA)  
 139 S5  
 195677 PLASMID  
 2549404 DNA  
 S11 10 S5 AND (PLASMID OR DNA)  
?rd  
...completed examining records  
 S12 6 RD (unique items)  
?s s12 not s10  
 6 S12  
 2 S10  
 S13 4 S12 NOT S10  
?t s13/3,k/all

13/3,K/1 (Item 1 from file: 155)  
DIALOG(R)File 155: MEDLINE(R)  
(c) format only 2004 The Dialog Corp. All rts. reserv.

10212061 PMID: 7522485  
**Intratracheal instillation of silica up-regulates inducible nitric oxide synthase gene expression and increases nitric oxide production in alveolar macrophages and neutrophils.**  
Blackford J A; Antonini J M; Castranova V; Dey R D  
Department of Anatomy, West Virginia University, Morgantown 26506-9128.  
American journal of respiratory cell and molecular biology (UNITED STATES  
) Oct 1994, 11 (4) p426-31, ISSN 1044-1549 Journal Code: 8917225  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

Alveolar macrophages (AM) exposed to cytokines or bacterial lipopolysaccharide (\*LPS\*) produce the \*free\* radical nitric oxide (NO.) by an inducible nitric oxide synthase (iNOS). They also release reactive oxygen \*free\* radicals following exposure to \*silica\* dust. The purpose of the present study was to determine whether NO. is produced by rat AM and/or recruited leukocytes following the intratracheal (IT) instillation of \*silica\*. Male Sprague-Dawley rats (175 to 225 g) were IT instilled with either \*silica\* dust (10 mg/100 g body wt) or \*LPS\* (0.25 mg/100 g body wt). After 24 h, bronchoalveolar lavage cells (BALC) and lavaged lung tissue were assayed for iNOS mRNA. Cell counts...

... AM were also determined. Northern blot analysis demonstrated that the steady-state levels of BALC iNOS mRNA were significantly increased by 3-fold following IT \*silica\* and by 7-fold following IT \*LPS\*. Partially enriched fractions of either AM or leukocytes from \*silica\*-treated rats both exhibited significantly elevated iNOS mRNA in Northern analysis. iNOS-dependent chemiluminescence was significantly increased in AM by 36-fold following IT \*silica\* and by 89-fold following IT \*LPS\*. Differential counts of BALC showed that AM numbers did not change in any of the treatments; however, red blood cells increased by 30-fold following IT \*silica\* and by 23-fold following IT \*LPS\*. Total leukocytes (polymorphonuclear leukocytes plus lymphocytes) increased by 58-fold following IT \*silica\* and by 274-fold following IT \*LPS\*. (ABSTRACT TRUNCATED AT 250 WORDS)

...; Acid Oxidoreductases--genetics--GE; Animals; Base Sequence; Blotting, Northern; Bronchoalveolar Lavage Fluid--chemistry--CH; Bronchoalveolar Lavage Fluid--cytology--CY; Cell Count--drug effects--DE; Chemiluminescence; \*DNA\* Primers--chemistry--CH; Enzyme Induction--drug

effects--DE; Image Processing, Computer-Assisted; Injections, Spinal; Lipopolysaccharides--administration and dosage--AD; Lipopolysaccharides --toxicity--TO; Lung--drug effects...

Chemical Name: \*DNA\* Primers; Lipopolysaccharides; RNA, Messenger; Nitric Oxide; Silicon Dioxide; Nitric-Oxide Synthase; Amino Acid Oxidoreductases

13/3,K/2 (Item 2 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

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06216554 PMID: 6309415

**Interleukin 1 production by a human acute monocytic leukemia cell line.**

Krakauer T; Oppenheim J J

Cellular immunology (UNITED STATES) Sep 1983, 80 (2) p223-9, ISSN 0008-8749 Journal Code: 1246405

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Human interleukin 1 (IL-1) was produced under serum-\*free\* conditions by stimulating a human monocytic leukemia cell line (THP-1) with \*silica\* or lipopolysaccharide (\*LPS\*). The IL-1 from THP-1 cells has a molecular weight of 12,000-20,000, consistent with the \*low\*-molecular-weight form of IL-1 from human peripheral blood monocytes. Further characterization by isoelectrofocusing showed one major peak of activity at pI 7 for the THP-1 cell-derived IL-1. In contrast, the \*low\*-molecular-weight form of IL-1 from human monocytes has two major species, pI 5 and pI 7. This cloned THP-1 cell line produces...

; Animals; Cell Line; \*DNA\* Replication; Interleukin-1--isolation and purification--IP; Lipopolysaccharides; Lymphocyte Activation; Lymphocytes --immunology--IM; Mice; Mice, Inbred Strains; Molecular Weight; Monocytes --immunology--IM; Silicon Dioxide

13/3,K/3 (Item 1 from file: 5)

DIALOG(R)File 5: Biosis Previews(R)

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0008899420 BIOSIS NO.: 199396063836

**Phagocytosis and induction of nitric oxide synthase in murine macrophages**

AUTHOR: Cunha F Q; Assreuy J; Moncada S; Liew F Y (Reprint)

AUTHOR ADDRESS: Dep. Immunol., Univ. Glasgow, Glasgow G11 6NT, UK\*\*UK

JOURNAL: Immunology 79 (3): p408-411 1993

ISSN: 0019-2805

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: *vitro*. However, they expressed high levels of NO synthase and produced large amounts of NO when cultured with IFN-gamma in the presence of lipopolysaccharide (\*LPS\*). The synergistic action of \*LPS\* can be replaced by ingestion by the macrophages of zymosan, *Staphylococcus aureus* or *Leishmania major* in a dose-dependent manner. In contrast, the ingestion of particles such as latex beads or \*silica\* in the presence of IFN-gamma did not lead to the induction of NO synthase activity. Furthermore, ingestion of ink particles significantly \*reduced\* the ability of the macrophages to express NO synthase in response to the optimal stimulation of IFN-gamma and \*LPS\*. These results therefore demonstrate that phagocytosis per se is not sufficient to provide the additional signal for the induction of NO synthase activity in macrophages...

DESCRIPTORS:

...BIOSYSTEMATIC NAMES: \*DNA\* and RNA Reverse Transcribing Viruses, Viruses, Microorganisms

...COMMON TAXONOMIC TERMS: \*DNA\* and RNA Reverse Transcribing Viruses

13/3,K/4 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

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12335491 EMBASE No: 2003441933

**Assessing the role of neutrophil apoptosis in the resolution of particle-induced pulmonary inflammation**

Wiethoff A.J.; Reed K.L.; Webb T.R.; Warheit D.B.

Dr. D.B. Warheit, D. Haskell Lab. Hlth./Environ. Sci., PO Box 50, Newark, DE 19714-0050 United States

AUTHOR EMAIL: David.B.Warheit@usa.dupont.com

Inhalation Toxicology ( INHAL. TOXICOL. ) (United States) 2003, 15/12 (1231-1246)

CODEN: INHTE ISSN: 0895-8378

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 12

...the role of apoptosis and its influence, if any, on the pulmonary inflammatory process following exposures to the following particulate types: amorphous (AMO) or crystalline \*silica\* (Si), lipopolysaccharide (\*LPS\*), or pigment-grade titanium dioxide (TiOSUB2). Rats were intratracheally instilled either with TiOSUB2, AMO, or Si particles at doses of 1 or 5 mg/kg or 6 mug \*LPS\*. Following exposures, bronchoalveolar lavage fluids and lung tissues were collected and evaluated at 12, 24, 48, of 168 h (i.e., 1 wk). At the...

...pulmonary inflammatory response, concomitant with a rise in apoptotic cells that mirrored temporally the transient nature of the inflammatory response. At 5 mg/kg, amorphous \*silica\* and crystalline \*silica\* particles induced substantial pulmonary inflammation [(similar)50-60% neutrophils (PMNs)] at 12 h postexposure (pe). A fundamental difference between the two inflammatory patterns, however, was...

...rats, apoptotic levels remained elevated, concomitant with sustained inflammation measured through 168 h pe. High doses of TiOSUB2 particles produced transient lung inflammation, but with \*low\* levels of apoptosis. In addition, instillation of \*LPS\* produced a transient inflammatory response which mirrored the time course of apoptosis levels and was resolved by 168 h pe. cDNA microarray methods demonstrated that gene expression was altered for several apoptosis-related genes in AMO-, Si-, and \*LPS\*-exposed animals at 24 h pe. The results of these studies demonstrate that, following exposures, the resolution of lung inflammation correlated temporally with apoptotic levels of neutrophils in AMO- and \*LPS\*-exposed rats. Alternatively, instillation of crystalline \*silica\* resulted in sustained pulmonary inflammation and measurable apoptosis at 1 wk postexposure, but the apoptotic cell processes were not effective in resolving the inflammatory response...

MEDICAL DESCRIPTORS:

inflammatory cell; macrophage; lung lavage; lung parenchyma; inflammation; apoptosis; \*DNA\* microarray; cell function; nonhuman; male; rat; animal experiment; animal model; controlled study; animal cell; article; priority journal

?ds

Set	Items	Description
S1	39884	(ENDOTOXIN OR LPS) (S) (FREE OR REDUCED OR ABSENT OR LOW)
S2	2970	S1 (S) (PLASMID OR VECTOR OR (NUCLEIC (W) ACID) OR DNA OR - RNA OR OLIGONUCLEOTIDE)
S3	5	S2 AND (SILICA OR (SILICON (W) DIOXIDE) OR SIO2)
S4	2	RD (unique items)
S5	139	S1 (S) (SILICA OR (SILICON (W) DIOXIDE) OR SIO2)
S6	0	S5 AND (POTASSIUM (W) ACETATE)
S7	0	S5 AND (ISOPROPANOL AND SDS)
S8	0	S5 AND (SDS/LPS)

S9 5 S5 (S) (PLASMID OR DNA)  
S10 2 RD (unique items)  
S11 10 S5 AND (PLASMID OR DNA)  
S12 6 RD (unique items)  
S13 4 S12 NOT S10  
?logoff  
21apr04 13:43:32 User259876 Session D611.2  
\$3.16 0.987 DialUnits File155  
\$0.84 4 Type(s) in Format 3  
\$0.84 4 Types  
\$4.00 Estimated cost File155  
\$1.02 0.346 DialUnits File159  
\$1.02 Estimated cost File159  
\$7.05 1.259 DialUnits File5  
\$5.25 3 Type(s) in Format 3  
\$5.25 3 Types  
\$12.30 Estimated cost File5  
\$7.61 0.777 DialUnits File73  
\$2.70 1 Type(s) in Format 3  
\$2.70 1 Types  
\$10.31 Estimated cost File73  
OneSearch, 4 files, 3.369 DialUnits FileOS  
\$2.49 TELNET  
\$30.12 Estimated cost this search  
\$30.47 Estimated total session cost 3.461 DialUnits

### Status: Signed Off. (10 minutes)